PERSPECTIVES IN BIOLOGY AND MEDICINE

VOLUME 37 · CONTENTS

1		The Role of the Ball: A Contest
2	Warren C. Guntheroth	The Thymus, Suffocation, and Sudden Infant Death Syndrome—Social Agenda or Hubris?
14	Wieslaw Kozak	Fever: A Possible Strategy for Membrane Homeostasis during Infection
35	Thomas E. Starzl	France and the Early History of Organ Transplantation
48	Josephine Accaputo-Gendron and Morris Goldner	Roger Stanier: Diversity as the Key to a New Era for Biology
55	Chandak Sengoopta	Rejuvenation and the Prolongation of Life: Science or Quackery?
67	George Stirling	The Impact of Surgery on Fine Art
74	Mark S. Lubinsky	Degenerate Heredity: The History of a Doctrine in Medicine and Biology
91	Howard Gest	Dynamic Revelations in Scientific Research
104	Wells E. Farnsworth	Pitfalls of Creativity
112	Richard C. Strohman	Ancient Genomes, Wise Bodies, Unhealthy People: Limits of a Genetic Paradigm in Biology and Medicine
146	James Parker	On Whose Side Is Darwin? An Essay Review *Created from Animals,* by James Rachels
150		BOOK REVIEWS: *The Nature of Suffering and the Goals of Medicine,* by Eric Cassell; *The Puzzle People: Memoirs of a Transplant Surgeon,* by Thomas E. Starzl; and *The Healing Hand,* by Guido Majno
156		LETTERS TO THE EDITOR: Daniel R. Vining, Jr., and James V. Neel
		MISCELLANY by Henry P. Kroitor, Barry T. Peterson, and Thomas Peter Bennett
159	Sherwin B. Nuland	A Surgeon's Valedictory
173	Paul B. Beeson	Effects of Iodides on Inflammatory Processes
182	Moti Nissani	Psychological, Historical, and Ethical Reflections on the Mendelian Paradox
197	Edward Frohlich	Irvine H. Page: A Man for All Reasons
202	F. Alonzo-de-Florida	Dismissed Observations: The Kindling Effect, A Case Study

217	F. Barbara Orlans	Data on Animal Experimentation in the United States: What They Do and Do Not Show
233	Campbell Moses	Are You an Obsolete M.D.? Some Clues to Self-Recognition
237	Richard B. Davis	From Aphorisms to Apache: Medicine's Brave New World
244	Praful Kelkar and Mark A. Ross	Natural History of Disease and Placebo Effect
247	K. Aterman	Did Mozart Have Tourette's Syndrome? Some Comments on Mozart's Language
259	William H. Brunie and Richard D. Kenney, editors	It Has Been Said
263	Janet Titchener Bogen	Neurosis: A Ms-Diagnosis
275	Grover C. Pitts	An Evolutionary Approach to Pain
285	James S. Goodwin	The Statistics of Robert Kellner: A Glossary of Terms
288	Robert Lanza	Humpty Dumpty
292	Francis L. Black	An Explanation of High Death Rates among New World Peoples When in Contact with Old World Diseases
308		BOOK REVIEWS: *Gregor Mendel's Experiments on Plant Hybrids: A Guided Study*, by Alain F. Corcos and Floyd V. Monaghan; *The Remarkable Surgical Practice of John Benjamin Murphy*, ed. by Robert L. Schmitz and Timothy T. Oh; *Medicine, Money and Morals; Physicians' Conflicts of Interest*, by Marc A. Rodwin; *Evolution without Selection: Form and Function by Autoevolution*, by A. Lima-de-Faria MISCELLANY by Peter A. Nelson, Charles R. Beittel, Jr., Thomas Peter Bennett, Thomas R. Platt, Eric Dyer, Cecilia Fox, Eugene Hirsch, and Howard Alliger
315	Samuel Refetoff	How Clinical Observations of a Congenital Disease Can Be Translated in Terms of Molecular Biology
327	Cyril A. Clarke and Ursula Mittwoch	Puzzles in Longevity
337	Ernst Mayr	Does It Pay to Acquire High Intelligence?
339	Arthur W. Epstein	Searching for the Neural Correlates of Associative Structures
347	Howard Gest	The Treacherous Road from Physics to Biology

359	Robert Lanza	Salvador Luria: The Man Behind the Curtain
362	Ronald Bentley	A History of the Reaction between Oxaloacetate and Acetate for Citrate Biosynthesis: An Unsung Contribution to the Tricarboxylic Acid Cycle
384	Henry Harpending	Gene Frequencies, DNA Sequences, and Human Origins
395	Philip J. Pauly	From Adventism to Biology: The Development of Charles Otis Whitman
409	J. R. King	Scientific Status of Aromatherapy
416	Rebecca Malouin	Surgeons' Quest for Life: The History and the Future of Xenotransplantation
429	Erwin Di Cyan	Some Effects of Group Drug Taking
436	Henry G. Moehring and M. Taher Mohiuddin, editors	It Has Been Said
442	Joseph P. Lyons	The American Medical Doctor in the Current Milieu: A Matter of Trust
460		BOOK REVIEWS: *The Healer's Tale,* by Sharon R. Kaufman; *Listening to Prozac,* by Peter D. Kramer; *Medicine at the Crossroads,* by Melvin Konner; *Tuberculosis: A Comprehensive International Approach,* ed. by Lee B. Reichman and Earl S. Hershfield
468		LETTER TO THE EDITOR: F. Vella
		MISCELLANY by Maya Khosia, Alvin M. Willis, G. B. Calleja, and George N. Braman
471		EDITORIAL: The Dwight J. Ingle Memorial Award
473	Alastair R. Michell	What Is the Importance of Salt Appetite?
486	Arye-Lev Ran	Thyroid Hormones and Prevention of Atherosclerotic Heart Disease: An Old-New Hypothesis
495	John L. Dusseau	Busybody Editing, Fuddyduddy Feminism, and a Modest Proposal
499	Joseph Kennedy	The Archaeological Recovery of Smallpox Victims in Hawaii: Scientific Investigations or Public Health Threat?
510	Allen B. Weisse	PC: Politically Correct or Potentially Corrupt?
515	Frank W. Putnam	Hiroshima and Nagasaki Revisited: The Atomic Bomb Casualty Commission and the Radiation Effects Research Foundation
546	Van Rensselaer Potter	An Essay Review of: *Global Responsibility in Search of a New World Ethic*

551 David C. Aron — The Path to the Soul: Harvey Cushing and Surgery on the Pituitary and Its Environs in 1916

566 Patricia A. Baird — Altering Human Genes: Social, Ethical, and Legal Implications

576 Rivers Singleton, Jr. — Whither Goest Vivisection? Historical and Philosophical Perspectives

595 Walter I. Wardwell — Differential Evolution of the Osteopathic and Chiropractic Professions in the United States

609 — BOOK REVIEWS: *Human Gene Mutation,* by David N. Cooper and Michael Krawczak; *Emerging Viruses,* ed. by Stephen Morse; *Advances in Computer Methods for Systematic Biology, Artificial Intelligence, Databases, Computer Vision,* ed. by Renaud Fortuner; *The Outer Circle: Women in the Scientific Community,* ed. by Harriet Zuckerman, Jonathan R. Cole, and John T. Bruer; *Science and Anti-Science,* by Gerald Holton; *AIDS and Contemporary History,* ed. by Virginia Berridge and Philip Strong

619 — LETTER TO THE EDITOR: George V. Mann

621 Robert George, editor — It Has Been Said

MISCELLANY by G. B. Calleja, Okay Odocha, and Eugene Hirsch